



ANALYTICAL REPORT

PREPARED FOR

Attn: Terri Choy
AECOM

1001 Bishop Street
Honolulu, Hawaii 96813

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JOB DESCRIPTION

Red Hill - AFFF Assessment Sampling

JOB NUMBER

580-124966-1

Job Notes

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The data in the report relate to the field sample(s) as received by the laboratory and associated QC. All results have been reviewed and have been found to be compliant with laboratory and accreditation requirements, with the exception of the noted deviation(s). For questions, please contact the Project Manager.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northwest, LLC Project Manager.

Authorization



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Case Narrative

Client: AECOM
Project/Site: Red Hill - AFFF Assessment Sampling

Job ID: 580-124966-1

Job ID: 580-124966-1

Laboratory: Eurofins Seattle

Narrative

CASE NARRATIVE

Client: AECOM
Project: Red Hill - AFFF Assessment Sampling
Report Number: 580-124966-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

Following DoD QSM guidelines, manual integrations were performed only when necessary and are in compliance with the laboratory's standard operating procedure, Acceptable Manual Integration Practices, SOP No.: Q-S-002. The reason(s) for manual integration have been documented on the affected chromatogram(s), which is/are provided in the raw data package. The raw data also includes the original chromatogram(s) prior to any manual integration being performed. Manual integrations are detailed in the manual integration summary forms following this narrative.

It should be noted that samples with elevated Limits of Quantitation (LOQs) resulting from a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the LOQs are an unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes within the calibration range of the instrument or that reduces the interferences thereby enabling the quantification of target analytes.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 03/20/2023; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 1.0 C.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

GLYCOLS

Samples AF-RHMW225401-WGN01B-2303W2 (580-124966-1), AF-RHMW03-WGN01LF-2303W2 (580-124966-2) and AF-RHMW02-WGN01LF-2303W2 (580-124966-3) were analyzed for glycols in accordance with EPA SW-846 Method 8015B - DAI. The samples were analyzed on 03/22/2023.

The closing continuing calibration verification (CCV) associated with batch 680-769036 recovered above the upper control limit for 2-(2-Butoxyethoxy)ethanol. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data has been reported. The associated samples are impacted: AF-RHMW225401-WGN01B-2303W2 (580-124966-1), AF-RHMW03-WGN01LF-2303W2 (580-124966-2), AF-RHMW02-WGN01LF-2303W2 (580-124966-3), (CCV 680-769036/27), (580-124966-A-3 MS) and (580-124966-A-3 MSD).

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Definitions/Glossary

Client: AECOM

Job ID: 580-124966-1

Project/Site: Red Hill - AFFF Assessment Sampling

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
M	Manual integrated compound.
Q	One or more quality control criteria failed.
U	Undetected at the Limit of Detection.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Client Sample Results

Client: AECOM

Job ID: 580-124966-1

Project/Site: Red Hill - AFFF Assessment Sampling

Client Sample ID: AF-RHMW225401-WGN01B-2303W2

Lab Sample ID: 580-124966-1

Date Collected: 03/16/23 11:40

Matrix: Water

Date Received: 03/20/23 10:30

Method: SW846 8015C GLY - Glycols- Direct Injection (GC/FID)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
2-(2-Butoxyethoxy)ethanol	3.0	U M Q	5.0	1.1	mg/L			03/22/23 20:35	1

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11

Client Sample Results

Client: AECOM
Project/Site: Red Hill - AFFF Assessment Sampling

Job ID: 580-124966-1

Client Sample ID: AF-RHMW03-WGN01LF-2303W2

Lab Sample ID: 580-124966-2

Date Collected: 03/16/23 12:05

Matrix: Water

Date Received: 03/20/23 10:30

Method: SW846 8015C GLY - Glycols- Direct Injection (GC/FID)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
2-(2-Butoxyethoxy)ethanol	3.0	U M Q	5.0	1.1	mg/L			03/22/23 20:58	1

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11

Client Sample Results

Client: AECOM

Job ID: 580-124966-1

Project/Site: Red Hill - AFFF Assessment Sampling

Client Sample ID: AF-RHMW02-WGN01LF-2303W2

Lab Sample ID: 580-124966-3

Date Collected: 03/16/23 10:40

Matrix: Water

Date Received: 03/20/23 10:30

Method: SW846 8015C GLY - Glycols- Direct Injection (GC/FID)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
2-(2-Butoxyethoxy)ethanol	3.0	U M Q	5.0	1.1	mg/L			03/22/23 21:22	1

QC Sample Results

Client: AECOM
 Project/Site: Red Hill - AFFF Assessment Sampling

Job ID: 580-124966-1

Method: 8015C GLY - Glycols- Direct Injection (GC/FID)

Lab Sample ID: MB 680-769036/12
Matrix: Water
Analysis Batch: 769036

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
2-(2-Butoxyethoxy)ethanol	3.0	U M	5.0	1.1	mg/L			03/22/23 17:05	1

Lab Sample ID: LCS 680-769036/6
Matrix: Water
Analysis Batch: 769036

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-(2-Butoxyethoxy)ethanol	20.0	19.8		mg/L		99	50 - 150

Lab Sample ID: LCSD 680-769036/7
Matrix: Water
Analysis Batch: 769036

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-(2-Butoxyethoxy)ethanol	20.0	19.1		mg/L		95	50 - 150	4	50

Lab Sample ID: 580-124966-3 MS
Matrix: Water
Analysis Batch: 769036

Client Sample ID: AF-RHMW02-WGN01LF-2303W2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
2-(2-Butoxyethoxy)ethanol	3.0	U M Q	20.0	19.2		mg/L		96	50 - 150

Lab Sample ID: 580-124966-3 MSD
Matrix: Water
Analysis Batch: 769036

Client Sample ID: AF-RHMW02-WGN01LF-2303W2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-(2-Butoxyethoxy)ethanol	3.0	U M Q	20.0	21.4		mg/L		107	50 - 150	11	50

Lab Chronicle

Client: AECOM

Job ID: 580-124966-1

Project/Site: Red Hill - AFFF Assessment Sampling

Client Sample ID: AF-RHMW225401-WGN01B-2303W2

Lab Sample ID: 580-124966-1

Date Collected: 03/16/23 11:40

Matrix: Water

Date Received: 03/20/23 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015C GLY		1	769036	JCK	EET SAV	03/22/23 20:35

Client Sample ID: AF-RHMW03-WGN01LF-2303W2

Lab Sample ID: 580-124966-2

Date Collected: 03/16/23 12:05

Matrix: Water

Date Received: 03/20/23 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015C GLY		1	769036	JCK	EET SAV	03/22/23 20:58

Client Sample ID: AF-RHMW02-WGN01LF-2303W2

Lab Sample ID: 580-124966-3

Date Collected: 03/16/23 10:40

Matrix: Water

Date Received: 03/20/23 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015C GLY		1	769036	JCK	EET SAV	03/22/23 21:22

Laboratory References:

EET SAV = Eurofins Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Accreditation/Certification Summary

Client: AECOM
Project/Site: Red Hill - AFFF Assessment Sampling

Job ID: 580-124966-1

Laboratory: Eurofins Savannah

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
ANAB	Dept. of Defense ELAP	L2463	09-22-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015C GLY		Water	2-(2-Butoxyethoxy)ethanol



Sample Summary

Client: AECOM
Project/Site: Red Hill - AFFF Assessment Sampling

Job ID: 580-124966-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
580-124966-1	AF-RHMW225401-WGN01B-2303W2	Water	03/16/23 11:40	03/20/23 10:30
580-124966-2	AF-RHMW03-WGN01LF-2303W2	Water	03/16/23 12:05	03/20/23 10:30
580-124966-3	AF-RHMW02-WGN01LF-2303W2	Water	03/16/23 10:40	03/20/23 10:30

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- 11

Chain of Custody Record

Client Information Company: AECOM Address: 1001 Bishop St. Suite 1600 City: Honolulu State, Zip: Hawaii 96813 Phone: 808-954-4512 / 770-331-0794 Email: Watson.Tanji@aecom.com / Mark.Kromis@aecom.com Project Name: CTO N6274223F0104 Site: RHSF		Lab P.M.: Elaine Walker E-Mail: M.Elaine.Walker@EurofinsET.com PWSID:		Carrier Tracking No(s): FedEx State of Origin: Hawaii		COC No: 2303W2AFE07 Page: Page 1 of 1 Job #:	
Due Date Requested: see subcontract TAT Requested (days): Rush - ASAP Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No PO #: WO #: Project #: 60697810 SSOW#:		Analysis Requested 8015C DAL_GL_DS/2-(2-butoxyethoxy)-ethanol Perform MS/MSD (Yes or No) <input checked="" type="checkbox"/> A Field Filtered Sample (Yes or No) <input checked="" type="checkbox"/> X 8015C DAL_GL_DS/2-(2-butoxyethoxy)-ethanol		Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:		Preservation Codes: M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)	
Sample Identification AF-RHMW225401-WGN01B-2303W2 Sample Date: 03/16/23 Sample Time: 1447 Sample Type: G Matrix: (Water, Solid, Other)		Sample Date: 03/16/23 Sample Time: 1447 Sample Type: G Matrix: (Water, Solid, Other)		Total Number of Containers: 3		Special Instructions/Note:	
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological		Prelim data (Level 1 or 2) - see TAT above. DoD Stage 4 report standard TAT - AECOM-EQUIS EDD.		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months		Deliverable Requested: I, II, III, IV, Other (specify)	
Empty Kit Relinquished by:		Date: 03/16/23 Time:		Method of Shipment:		Date/Time: 03/16/23 1345 Company: AECOM	
Relinquished by: Eli Martin Signature: <i>Eli Martin</i>		Date/Time: 03/16/23 1345 Company: AECOM		Received by: <i>Miranda Deserno</i> Signature: <i>Miranda Deserno</i>		Date/Time: 3/20/23 1030 Company:	
Relinquished by: <i>Miranda Deserno</i> Signature: <i>Miranda Deserno</i>		Date/Time: 03/16/23 1355 Company: AECOM		Received by: <i>Miranda Deserno</i> Signature: <i>Miranda Deserno</i>		Date/Time: 3/20/23 1030 Company:	
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.: 1.0/1.0		Cooler Temperature(s) °C and Other Remarks:		Ver: 01/16/2019	



Chain of Custody Record

Client Information		Lab P/M: Elaine Walker		Carrier Tracking No(s): 2303W2AFE07	
Client Contact: Elaine Walker		State of Origin: Hawaii		Page: Page 1 of 1	
Company: AECOM		E-Mail: M.Elaine.Walker@EurofinsET.com		Job #:	
Address: 1001 Bishop St. Suite 1600		Due Date Requested: see subcontract		Analysis Requested:	
City: Honolulu		TAT Requested (days): Rush - ASAP		Preservation Codes:	
State, Zip: Hawaii 96813		Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No		A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:	
Phone: 808-954-4512 / 770-331-0794		WO #:		M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)	
Email: Watson.Tanji@aecom.com / Mark.Kromis@aecom.com		Project #:		Total Number of Containers: 3	
Project Name: CTO N6274223F0104		SSOW#:		Special Instructions/Note:	
Site: RHSF		Sample Date		8015C_DAL_GL_DS/2-(2-butoxyethoxy)-ethanol	
Sample Identification		Sample Time		Perform MS/MSD (Yes or No)	
AF-RHMW225401-WGN01B-2303W2		1140		Field Filtered Sample (Yes or No)	
Sample Type		Sample Time		Preservation Code:	
G=grab		1140		A	
Matrix		Preservation Code:		N	
(W=water, S=solid, O=oil, A=air)		G		X	
Sample Date		Date		Date	
03/16/23		03/16/23		03/16/23	
Sample Time		Date		Date	
1140		03/16/23		03/16/23	
Sample Type		Date		Date	
G=grab		03/16/23		03/16/23	
Matrix		Date		Date	
(W=water, S=solid, O=oil, A=air)		03/16/23		03/16/23	
Sample Date		Date		Date	
03/16/23		03/16/23		03/16/23	
Sample Time		Date		Date	
1140		03/16/23		03/16/23	
Sample Type		Date		Date	
G=grab		03/16/23		03/16/23	
Matrix		Date		Date	
(W=water, S=solid, O=oil, A=air)		03/16/23		03/16/23	



560-124966 Chain of Custody

Possible Hazard Identification
 Non-Hazard Flammable Skin Irritant Poison B Unknown Radiological
 Deliverable Requested I II III, IV Other (specify) Prelim data (Level 1 or 2)=see TAT above, DoD Stage 4 report standard IAT, AECOM EQUIS, FDD.

Empty Kit Relinquished by
 Relinquished by: Elaine Walker
 Date/Time: 03/16/23 345
 Relinquished by: Elaine Walker
 Date/Time: 03/16/23 1030
 Relinquished by: Elaine Walker
 Date/Time: 03/16/23 1030

Custody Seals Intact: Yes No
 Cooler Temperature(s) °C and Other Remarks: 1.0/1.0



Chain of Custody Record



Client Information Client Contact: _____ Company: AECOM Address: 1001 Bishop St. Suite 1600 City: Honolulu State, Zip: Hawaii 96813 Phone: 808-954-4512 / 770-331-0794 Email: Watson.Tanji@aecom.com / Mark.Kromis@aecom.com Project Name: CTO N6274223F0104 Site: RHSE		Lab PM: Elaine Walker E-Mail: M.Elaine.Walker@EurofinsET.com PWSID: _____ Due Date Requested: see subcontract TAT Requested (days): Rush - ASAP Compliance Project: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No PO #: _____ WO #: _____ Project #: 60697810 SSOW#: _____		Carrier Tracking No(s): 2303WZAFE01 State of Origin: Hawaii Page: Page 1 of 1 Job #: _____	
Sample Identification Sample ID: AF-RHMW02-WGND1LF-2303W2 Sample Date: 3/16/23 Sample Time: 1040 Sample Type: G Matrix: W=Water, S=Soil, O=Organic, T=Trace, A=Air		Analysis Requested 8015C_DAL_GL_D5/ 2-(2-butoxyethoxy)-ethanol Perform MS/MSD (Yes or No): <input checked="" type="checkbox"/> A Field Filtered Sample (Yes or No): <input checked="" type="checkbox"/> N Total Number of Containers: 3		Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other: _____ M - Hexane N - None O - AsNaO2 P - Na2CO3 Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)	
Possible Hazard Identification <input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological Deliverable Requested: I, II, III, IV Other (specify) _____ Empty Kit Relinquished by: _____		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months Special Instructions/QC Requirements: DOD QSM project.		Time Date/Time: 3/16/23 1345 Date/Time: 3/16/23 1040 Date/Time: _____ Company: AECOM Company: AECOM Company: AECOM	
Relinquished by: Andy Jones ASFS Relinquished by: _____ Relinquished by: _____		Received by: _____ Received by: _____ Received by: _____ Date/Time: 3/20/23 1040 Date/Time: _____ Date/Time: _____ Company: _____ Company: _____ Company: _____		Cooler Temperature(s) °C and Other Remarks: 1.0/1.0 Ver 01/16/2019	



Login Sample Receipt Checklist

Client: AECOM

Job Number: 580-124966-1

Login Number: 124966

List Number: 1

Creator: Presley, Kim A

List Source: Eurofins Seattle

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	N/A	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	N/A	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	N/A	
Containers are not broken or leaking.	N/A	
Sample collection date/times are provided.	N/A	
Appropriate sample containers are used.	N/A	
Sample bottles are completely filled.	N/A	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	N/A	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	



Login Sample Receipt Checklist

Client: AECOM

Job Number: 580-124966-1

Login Number: 124966

List Number: 2

Creator: Meincke, Griffin E

List Source: Eurofins Savannah

List Creation: 03/22/23 12:09 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.		
The cooler's custody seal, if present, is intact.		
Sample custody seals, if present, are intact.		
The cooler or samples do not appear to have been compromised or tampered with.		
Samples were received on ice.		
Cooler Temperature is acceptable.		
Cooler Temperature is recorded.		
COC is present.		
COC is filled out in ink and legible.		
COC is filled out with all pertinent information.		
Is the Field Sampler's name present on COC?		
There are no discrepancies between the containers received and the COC.		
Samples are received within Holding Time (excluding tests with immediate HTs)		
Sample containers have legible labels.		
Containers are not broken or leaking.		
Sample collection date/times are provided.		
Appropriate sample containers are used.		
Sample bottles are completely filled.		
Sample Preservation Verified.		
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs		
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").		
Multiphasic samples are not present.		
Samples do not require splitting or compositing.		
Residual Chlorine Checked.		